02sep99 14:26:39 User208669 Session D1500.1 \$0.19 0.057 DialUnits File1 \$0.19 Estimated cost File1 ? b 155

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*File 155: reloaded, note accession numbers changed. (c) format only 1999 Dialog Corporation File 155:MEDLINE(R) 1966-1999/Oct W3

Set Items Description 520570 DNA ? s dna(w)vaccine?

77908 VACCINE?

SI 447 DNA(W)VACCINE?

? s two or 2

S2 2606890 TWO OR 2

447 S1 ?s s1 and s2

2606890 S2

S3 145 S1 AND S2

?ts3/7/162125313665

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1999 Dialog Corporation. All rts. reserv.

39962064 99217703

Haigwood NL, Pierce CC, Robertson MN, Watson AJ, Montefiori DC, Rabin M, Jynch JB; Kuller L; Thompson J; Morton WR; Benveniste RE; Hu SL; Greenberg Protection from pathogenic SIV challenge using multigenic DNA vaccines. P; Mossman SP

Biomedical Research Institute, WA 98109, USA. naigwood@u.washington.edu Seattle

Immunol Lett (NETHERLANDS) Mar 1999, 66 (1-3) p183-8, ISSN 0165-2478 ournal Code: GIH

Contract/Grant No.: AI 26503, AI, NIAID; RR00166, RR, NCRR

Languages: ENGLISH

Document type: JOURNAL ARTICLE

a vaccine challenge model with moderate pathogenic potential. We compared he efficacy of DNA immunization alone and in combination with subunit infection in humans, we utilized SIVmne infection of Macaca fascicularis as To assess DNA immunization as a strategy for protecting against HIV

and LNMC, nested set PCR- of DNA from PBMC and LNMC, and plasma QC-PCR), effective immune responses than two DNA primes combined with two protein CMV IE-1 promoter. Eight M. fascicularis were immunized twice with 3 mg of primed macaques received a further two DNA immunizations at weeks 16-36, However, stable SIV Gag-Pol- and env-specific T-cell clones (CD3+CD8+) 2/4 macaques in the DNA vaccinated group and in 1/4 of the DNA plus subunit vaccinated macaques; Th2 responses in 3/4 DNA plus subunit-immunized gp160 plus 250 microg recombinant Gag-Pol particles formulated in MF-59 plasmid DNA divided between two sites, intramuscular and intradermal. Four half received two vector DNA and two adjuvant immunizations. As expected, humoral immune responses were stronger in the macaques receiving subunit PBMC taken on the day of challenge showed trends toward ThI responses in while the second group of four were boosted with 250 microg recombinant were challenged at week 38 with SIVmne uncloned stock by the intrarectal 8 were cloned into mammalian expression vectors under the control of the neutralizing antibodies) and virus detection methods (co-culture of PBMC group, suggesting that four immunizations with DNA only elicited more challenge. T-cell proliferative responses to gp160 and to Gag were detected macaques; and Th0 responses in 4/4 controls. In bulk CTL culture, SIV here were major differences between the groups in the challenge outcome. adjuvant. Half of the controls received four immunizations of vector DNA; route. Based on antibody anamnestic responses (western, ELISA, and boosts. Multigenic DNA vaccines such as these, bearing all structural and regulatory genes, show significant promise and may be a safe alternative to subunit-boosted animals and in none of the DNA-only animals prior to were isolated after only two DNA immunizations, and Gag-Pol- and Nef-specific CTL lines were isolated on the day of challenge. All animals Surprisingly, sustained low virus loads were observed only in the DNA in all immunized animals after three immunizations, and these responses increased after four immunizations. Cytokine profiles in PHA-stimulated protein boosts. All of the structural and regulatory genes of SIVmne clone specific lysis was low or undetectable, even after four immunizations. neutralizing antibody titers to SIVmne were detected in one of the boosts, but responses were sustained in both groups. Significant ive-attenuated vaccines.

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1999 Dialog Corporation. All rts. reserv.

09937208 99218408

J Immunol (UNITED STATES) Apr 1 1999, 162 (7) p3915-25, ISSN Ishioka GY; Fikes J; Hermanson G; Livingston B; Crimi C; Qin M; del Utilization of MHC class I transgenic mice for development of minigene Guercio MF; Oseroff C; Dahlberg C; Alexander J; Chesnut RW; Sette A Epimmune, San Diego, CA 92121, USA. gishioka@epimmune.com DNA vaccines encoding multiple HLA-restricted CTL epitopes. 0022-1767 Journal Code: IFB

Contract/Grant No.: 1R21AI-42699-01, AI, NIAID; AI-38584-03, AI, NIAID; NO1-AI-45241, AI, NIAID

Languages: ENGLISH

Document type: JOURNAL ARTICLE

lipopeptide known be immunogenic in humans; 3) induction of memory CTLs up correlation between the immunogenicity of DNA-encoded epitopes in vivo and vivo against multiple dominant HLA-restricted epitopes using a minigene DNA core proteins of hepatitis B virus and HIV, together with the PADRE (pan-DR H.A-A2.1- and A11-restricted epitopes from the polymerase, envelope, and responses than immunization with DNA encoding whole protein; and 5) a We engineered a multiepitope DNA minigene encoding nine dominant vaccine and underline the utility of HLA transgenic mice in development and reticulum-translocating signal sequence. Immunization of HLA transgenic results demonstrate the simultaneous induction of broad CTL responses in all nine CTL epitopes despite their varying MHC binding affinities; 2) CTL minigene construct design revealed that removal of the PADRE Th cell mice with this construct resulted in: 1) simultaneous CTL induction against epitopes, affected the magnitude and frequency of CTL responses. Our responses that were equivalent in magnitude to those induced against a to 4 mo after a single DNA injection; 4) higher epitope-specific CTL DNA-transfected target cells. Examination of potential variables in epitope or the signal sequence, and changing the position of selected the in vitro responses of specific CTL lines against minigene epitope) universal Th cell epitope and an endoplasmic optimization of vaccine constructs for human use.

DIALOG(R)File 155:MEDLINE(R)

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39903963 99095684

Laboratory for Molecular Oncology and Gene Therapy, IRCCS H. Casa Papa S; Rinaldi M; Mangia A; Parrella P; Signori E; Lombardi L; Fazio VM Development of a multigenic plasmid vector for HCV DNA immunization. Sollievo Sofferenza, San Giovanni Rotondo, FG, Italy.

Res Virol (FRANCE) Sep-Oct 1998, 149 (5) p315-9, ISSN 0923-2516

Iournal Code: R7E

Document type: JOURNAL ARTICLE Languages: ENGLISH

developing anti-HCV DNA vaccine. Nevertheless, the immune response elicited have been studied for enhancing and/or modulating the immune response of expression of murine LL2 and of an antigenic domain of the HCV NS3 C developed a plasmid vector that allows the independent and simultaneous by these antigens often appears weak and/or transient. Different approaches the DNA vaccine. On the basis of a prototype multigenic plasmid vector HCV viral nucleocapsid protein (C), non-structural protein 3 (NS3) and he envelope glycoproteins E1 and E2 are candidate immune targets for constituted of two different transcription cassettes (pRC100), we have

terminus (pRC112-HCV). The highly conserved NS3 region spans from nt 4403 possibility of addressing the host immune response to the most immunogenic to nt 4829 and contains two putative B and T epitopes. The development of production of an immunomodulatory molecule (mIL2) together with the this multigenic plasmid vector may combine the expression and local and conserved epitopes, specifically tailored in the plasmid vector.

JIALOG(R)File 155:MEDLINE(R)

(c) format only 1999 Dialog Corporation. All rts. reserv.

09845660 99075528

van Rooij EM; Haagmans BL, de Visser YE; de Bruin MG; Boersma W; Bianchi Effect of vaccination route and composition of DNA vaccine on the nduction of protective immunity against pseudorabies infection in pigs.

Vet Immunol Immunopathol (NETHERLANDS) Nov 24 1998, 66 (2) p113-26, Department of Mammalian Virology and Immunology, Institute for Animal Science and Health, Lelystad, Netherlands. e.m.a.vanrooji@id.dlo.nl

SSN 0165-2427 Journal Code: XCB Languages: ENGLISH

Document type: JOURNAL ARTICLE

naked DNA vaccine coding only for the immunorelevant gD was compared with a pseudorabies virus (PRV) induced both antibody and cell-mediated immunity immunorelevant glycoproteins, gB and gC. Second, the intramuscular route of Vaccination with naked DNA may be an alternative to conventional vaccines with naked DNA coding for the immunorelevant glycoprotein D (gD) of vaccination was compared with the intradermal route. Third, the commonly vaccine induced stronger cell-mediated immune responses than the vaccine whether the efficacy of the naked DNA vaccination against PRV could be inoculation. Our data show that the route of administering DNA vaccines in used needle method of inoculation was compared with the needleless Pigjet 4-weeks intervals and challenged with the virulent NIA-3 strain of PRV 6 significantly stronger antibody and cell-mediated immune responses and in pigs and provided protection against challenge infection. To determine against challenge infection. Intradermal inoculation with a needle induced because it combines the efficacy of attenuated vaccines with the biological weeks after the last vaccination. Results showed that although the cocktail containing only gD plasmid, both vaccines protected pigs equally well injector method. Five groups of five pigs were vaccinated three times at safety of inactivated vaccines. We recently showed that the vaccination cocktail vaccine containing additional plasmids coding for two other improved, we compared three sets of variables. First, the efficacy of the better protection against challenge infection than intramuscular sigs is important for an optimal induction of protective immunity.

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1999 Dialog Corporation. All rts. reserv. 09786680 99011480 Engineering DNA vaccines via co-delivery of co-stimulatory molecule

Kim JJ; Nottingham LK; Wilson DM; Bagarazzi ML; Tsai A; Morrison LD; avadian A; Chalian AA; Agadjanyan MG; Weiner DB

Department of Chemical Engineering, University of Pennsylvania, Philadelphia 19104, USA.

Vaccine (ENGLAND) Nov 1998, 16 (19) p1828-35, ISSN 0264-410X Iournal Code: X60

Languages: ENGLISH

Document type: JOURNAL ARTICLE

ability to induce CTL response in vivo, we co-administered CD80 and CD86 T-cell-dependent CTL responses in both mice and chimpanzees. This strategy T-cell-mediated immune responses in the pursuit of more rationally designed strategy against infectious diseases and cancer. To enhance a DNA vaccine's expression cassettes along with HIV-1 immunogens. This manipulation DNA immunization has been investigated as a potential immunization resulted in a dramatic increase in MHC class I-restricted and CD8+ activators could be an important tool for optimizing antigen-specific of engineering vaccine producing cells to be more efficient T-cell vaccines and immune therapies.

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1999 Dialog Corporation. All rts. reserv.

)9465426 98202686

Modulation of amplitude and direction of in vivo immune responses by co-administration of cytokine gene expression cassettes with DNA

Dang K; Ahn L; Doyle NK; Wilson DM; Chattergoon MA; Chalian AA; Boyer JD; Kim JJ; Trivedi NN; Nottingham LK; Morrison L; Tsai A; Hu Y; Mahalingam S

Department of Chemical Engineering, University of Pennsylvania, Agadjanyan MG; Weiner DB Philadelphia, USA. Eur J Immunol (GERMANY) Mar 1998, 28 (3) p1089-103, ISSN 0014-2980 fournal Code: EN5

Languages: ENGLISH

Document type: JOURNAL ARTICLE

sypothesize that immunization with DNA could be enhanced by directing others reported that specific immune responses generated by DNA vaccine could be modulated by co-delivery of gene expression cassettes encoding for specific immune responses induced by the vaccine based on the differential correlates of protection known for a particular pathogen. Recently we and antigen-specific cellular and humoral immune responses in vivo. We L-12, granulocyte-macrophage colony-stimulating factor and the Immunization with nucleic acids has been shown to induce both

INF-alpha and IL-15 genes with HIV-1 DNA immunogens. These increases in CTL immunologically important molecules together with DNA immunogens, we following the co-delivery of pro-inflammatory cytokine (IL-1 alpha, TNF-alpha, and TNF-beta), Th1 cytokine (IL-2, IL-12, IL-15, and IL-18), and co-stimulatory molecule CD86. To further engineer the immune response in Th2 cytokine (IL-4, IL-5 and IL-10) genes. We observed enhancement of response were both MHC class I restricted and CD8+T cell dependent. vivo, we investigated the induction and regulation of immune responses genes IL-4, IL-5, and IL-10 as well as those of IL-2 and IL-18. A dramatic and TNF-alpha gene co-injections. In addition, we observed a significant antigen-specific humoral response with the co-delivery of Th2 cytokine increase in antigen-specific T helper cell proliferation was seen with IL-2 enhancement of the cytotoxic response with the co-administration of Together with earlier reports on the utility of co-immunizing using demonstrate the potential of this strategy as an important tool for the development of more rationally designed vaccines.

S4 872566 CO

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145 S3

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DIALOG(R)File 155:MEDLINE(R)

(c) format only 1999 Dialog Corporation. All rts. reserv.

09223079 97414204

Immunogenicity and efficacy of baculovirus-expressed and DNA-based equine nfluenza virus hemagglutinin vaccines in mice.

Olsen CW; McGregor MW; Dybdahl-Sissoko N; Schram BR; Nelson KM; Lunn DP; Macklin MD; Swain WF; Hinshaw VS

Department of Pathobiological Science, School of Veterinary Medicine, University of Wisconsin-Madison 53706, USA.

Vaccine (ENGLAND) Jul 1997, 15 (10) p1149-56, ISSN 0264-410X

Journal Code: X60

Document type: JOURNAL ARTICLE Languages: ENGLISH

the hemagglutinin (HA) of A/Equine/Kentucky/1/81 (H3N8) (Eq/KY) were HA-encoding DNA. Each vaccine was tested for its immunogenicity and ability virus-specific antibodies, as measured by enzyme-linked immunosorbent assay Two fundamentally different approaches to vaccination of BALB/c mice with to provide protection from homologous virus challenge. HA protein was (ELISA), but did not induce virus neutralizing (VN) antibodies. This route synthesized in vitro by infection of Sf21 insect cells with a recombinant evaluated, that is, administration of HA protein vs administration of baculovirus. Intranasal administration of this vaccine induced

of administration provided partial protection from virus challenge, but interestingly, this protection was completely abrogated, rather than enhanced, by co-administration of 10 micrograms of cholera holotoxin. As a second approach, mice were directly vaccinated in vivo by Accell gene gun delivery of plasmid DNA encoding the Eq/KY HA gene. This approach induced VN antibodies as well as virus-specific ELISA antibodies. When two doses of DNA vaccine were administered 3 weeks apart, mice were not protected from challenge, although they cleared the infection more rapidly than control mice. However, when the second DNA vaccination was delayed until 9 weeks after the first, 9 out of 10 vaccinated mice were completely protected. These results indicate that the time between initial and booster DNA vaccinations may be an important variable in determining DNA vaccination efficacy.

2/1/8

DIALOG(R)File 155:MEDLINE(R)

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09144479 97368418

Class I-restricted CTL induction by mucosal immunization with naked DNA encoding measles virus haemagglutinin.

Etchart N; Buckland R; Liu MA; Wild TF; Kaiserlian D

INSERM U404 Immunity and Vaccination, Institut Pasteur de Lyon, France. J Gen Virol (ENGLAND) Jul 1997, 78 (Pt 7) p1577-80, ISSN 0022-1317 Journal Code: 19B

Languages: ENGLISH

Document type: JOURNAL ARTICLE

We have investigated the class I-restricted CTL response specific for measles virus haemagglutinin (HA) in the spleens of mice immunized by various mucosal routes with a DNA plasmid carrying the HA gene (pVIj-HA). A single immunization with recombinant DNA injected in the buccal mucosa induced an HA-specific CTL response. Similarly, nasal immunization with the DNA vaccine induced primary CTLs against measles virus HA. Booster immunization did not enhance the CTL activity. Oral or intrajejunal immunization with the plasmid induced a CTL response of lower magnitude. However, this could be potentiated by co-administration of the mucosal adjuvant cholera toxin or cationic lipids (DOTAP). These data show that a CTL response can be generated by mucosal vaccination using DNA vaccines.

5/1/9

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1999 Dialog Corporation. All rts. reserv.

09027941 97234548

Immunomodulatory effects of a plasmid expressing B7-2 on human immunodeficiency virus-1-specific cell-mediated immunity induced by a plasmid encoding the viral antigen.

Tsuji T; Hamajima K; Ishii N; Aoki I; Fukushima J; Xin KQ; Kawamoto S; Sasaki S; Matsunaga K; Ishigatsubo Y; Tani K; Okubo T; Okuda K

Department of Bacteriology, Yokohama City University School of Medicine, apan.

Eur J Immunol (GERMANY) Mar 1997, 27 (3) p782-7, ISSN 0014-2980 fournal Code: EN5

Languages: ENGLISH

Document type: JOURNAL ARTICLE

immunized with the DNA vaccine in combination with CTLA4Ig, an inhibitor of B7-2 co-stimulatory molecule could be a powerful means of combating HIV-1 (DNA vaccine), B7-1 and B7-2 expression plasmids were co-inoculated with immunological response enhanced by B7-2 decreased below the level of mice lymphocyte (CTL) activity were significantly enhanced when B7-2 expression plasmid was co-inoculated with the DNA vaccine, but were unaffected when as combined administration of the B7-2 plasmid and neutralizing anti-IFN-gamma antibody adjuvant activities on human immunodeficiency virus type-1 (HIV-1)-specific immunity induced by inoculation of a plasmid encoding HIV-1 env and rev the DNA vaccine. The delayed-type hypersensitivity response and cytotoxic T for the enhanced response induced by co-inoculation of the DNA vaccine and B7-2 expression plasmid. This enhancement appeared to occur via an abrogated the virus-specific cell-mediated immunity. These results suggest that this gene-based co-inoculation strategy using HIV-1 viral antigen and antigen recognition by the T cell receptor. To determine whether B7 has the B7-1 expression plasmid was used with the vaccine instead. The the B7/CD28 co-stimulatory signal, suggesting that this signal is critical B7 co-stimulation is essential for activating resting T cells following interferon-gamma (IFN-gamma)-dependent mechanism, nfection.

5/7/10

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1999 Dialog Corporation. All rts. reserv.

08511567 96135362

A genetic approach to idiotypic vaccination for B cell lymphoma.

Stevenson FK; Zhu D; King CA; Ashworth LJ; Kumar S; Thompsett A; Hawkins RF

Molecular Immunology Group, Tenovus Laboratory, Southampton University Hospitals, United Kingdom.

Ann N Y Acad Sci (UNITED STATES) Nov 27 1995, 772 p212-26, ISSN 0077-8923 Journal Code: 5NM

Languages: ENGLISH

Document type: JOURNAL ARTICLE; REVIEW; REVIEW, TUTORIAL

Idiotypic immunoglobulin expressed by a B cell tumor presents a clear tumor antigen which could be attacked by vaccination of the host. Vaccination with idiotypic protein has been shown to induce protective immunity against lymphoma, but application to patients is limited by the requirement of "personal" vaccines for each patient. A genetic approach enables V-region sequences encoding idiotypic antigen to be rescued from tumor biopsies, and to be assembled as scFv fragments. These can be

naked DNA vaccines. Intramuscular injection of idiotypic DNA from a mouse B vaccine vector, which forms immune complexes with serum antibody. Methods serum. Response can be stimulated by co-injection of DNA plasmids encoding gained in lymphoma may be extended to other tumors with defined tumor idiotypic IgM are generated. However, protection against tumor appears to designed to activate immune pathways for tumor destruction. Experience cell lymphoma induces low levels of syngeneic anti-idiotypic antibody in be blocked by continuing secretion of idiotypic antigen from the persisting expressed in bacteria to produce recombinant protein, or used directly as applicable to the cytokine vectors, which can deliver encoded cytokines for regulating the level of scFv to engage the immune system, but not to either L-2 or GM-CSF, and T cells which proliferate in response to block the effector arm are being investigated. Similar control will be antigens. (23 Refs.)

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1999 Dialog Corporation. All rts. reserv.

08128499 95185112

Towards a DNA vaccine against tuberculosis.

Lowrie DB; Tascon RE; Colston MJ; Silva CL

Laboratory for Leprosy and Mycobacterial Research, National Institute for Medical Research, London, UK.

Vaccine (ENGLAND) Dec 1994, 12 (16) p1537-40, ISSN 0264-410X Iournal Code: X60

Languages: ENGLISH

Expression of the gene for a single mycobacterial antigen (Mycobacterium Document type: JOURNAL ARTICLE; REVIEW; REVIEW, TUTORIAL leprae hsp65) in adult Balb/c mice resulted in substantial cell-mediated

cloned from spleens of such immunized mice passively transferred protection protection against challenge with M. tuberculosis. CD4 and CD8 T cells

to non-immunized mice, and CD8 cells selectively lysed macrophages infected

with M. tuberculosis. Three modes of expressing the gene have been tested: (1) expression from a retroviral vector (pZIPNeoSV) in implanted J774

preliminary experiment, from CMV immediate-early and hydroxymethylglutaryl Co-A reductase promoters injected as plasmid DNA into muscle. (20 Refs.) tumour cells, (2) expression from the same vector via bone marrow cells ransfected in vitro and used to reconstitute irradiated mice, and (3) in a

DIALOG(R)File 155:MEDLINE(R)

(c) format only 1999 Dialog Corporation. All rts. reserv.

06617467 90224269

Protective efficacy of a recombinant DNA vaccine against hepatitis B in male homosexuals: results at 36 months.

Goilav C; Prinsen H; Piot P

Institute of Tropical Medicine, Antwerp, Belgium.

Vaccine (ENGLAND) Mar 1990, 8 Suppl pS50-2; discussion S60-2, ISSN 0264-410X Journal Code: X6O

Languages: ENGLISH

Document type: CLINICAL TRIAL; CONTROLLED CLINICAL TRIAL; JOURNAL

diseases (STDs) and sexual behaviour was also collected annually. One month vaccinees had titres greater than 10 mIU ml-1 in both groups. Compared with infection was 12%, only two vaccinees developed markers of infection during An open study with a recombinant DNA yeast-derived hepatitis B vaccine incidence of some STDs declined, these changes could not solely account for the immunization period and none thereafter. While an important increase in (YDV) was carried out in homosexual men to assess the protective efficacy receive three intramuscular doses of either 20 or 40 micrograms at months 0, 1 and 6. Serum specimens were taken at various times up to 36 months; the use of condoms was noted during the 1984-87 study period and the relevant information regarding the occurrence of other sexually transmitted The geometric mean anti-HBs titre at this time was higher for subjects receiving 40 micrograms doses although a similar percentage of the of this vaccine. A total of 278 seronegative volunteers were enrolled to after the third injection, the seroconversion rate in both groups was 99%. a historical control group in which the annual incidence of hepatitis B

? s coadminist? or coinject?

the decrease in hepatitis B infection in the study population.

3686 COADMINIST?

854 COINJECT?

4517 COADMINIST? OR COINJECT?

Items Description

447 DNA(W)VACCINE?

2606890 TWO OR 2 145 S1 AND S2

872566 CO

S4

12 S3 AND S4

4517 COADMINIST? OR COINJECT? ? s s1 and (s4 or s6) not s5

447 S1

872566 S4

12 S5

4517 S6

32 S1 AND (S4 OR S6) NOT S5

?ts7/6/1-32

10053590 99363966

Activity and safety of DNA plasmids encoding L-4 and IFN gamma.

Feb 1999

0040022 99250332

Co-immunization with DNA vaccines expressing granulocyte-macrophage colony-stimulating factor and mycobacterial secreted proteins enhances I-cell immunity, but not protective efficacy against Mycobacterium tuberculosis.

Apr 1999

0038891 99343954

Immunization of RANTES expression plasmid with a DNA vaccine enhances

HIV-1-specific immunity. ful 1999

10034738 99294900

Immune responses and protection obtained by oral immunization with otavirus VP4 and VP7 DNA vaccines encapsulated in microparticles.

lun 20 1999

0009795 99231962

Epitope-specific cytotoxic T lymphocyte induction by minigene DNA

mmunization.

Apr 9 1999

09939385 99171736

L-6 induces long-term protective immunity against a lethal challenge of

influenza virus.

Feb 5 1999

09926276 99156558

Cytokine molecular adjuvants modulate immune responses induced by DNA vaccine constructs for HIV-1 and SIV.

an 1999

09900981 99172230

enhances Th1-type CD4+ T cell-mediated protective immunity against herpes L-12 gene as a DNA vaccine adjuvant in a herpes mouse model: L-12 simplex virus-2 challenge

Mar 1 1999

09850518 99132267

Macrophage inflammatory protein-lalpha (MIP-lalpha) expression plasmid enhances DNA vaccine-induced immune response against HIV-1.

Feb 1999

09812083 99010934

Protective cytotoxic T lymphocyte responses against paramyxoviruses nduced by epitope-based DNA vaccines: involvement of IFN-gamma. Oct 1998

09808853 99102609

In vivo modulation of vaccine-induced immune responses toward a Th1 phenotype increases potency and vaccine effectiveness in a herpes simplex virus type 2 mouse model.

an 1999

09782666 99057825

Modulating the immune response to genetic immunization.

Dec 1998

7/6/13

09710093 98414429

Reduction of antigen expression from DNA vaccines by coadministered

oligodeoxynucleotides.

Aug 1998

09667329 98444396

DNA vaccine with interleukin-2 expression plasmid enhances cell-mediated Intranasal administration of human immunodeficiency virus type-1 (HIV-1) mmunity against HIV-1.

Jul 1998

09536710 98214888

Oral delivery of micro-encapsulated DNA vaccines.

1998

7/6/16

09511075 98240996

DNA vaccines encoding full-length or truncated Neu induce protective immunity against Neu-expressing mamnary tumors.

May 1 1998

7/6/17

09489876 98230477

Development of Th1 and Th2 populations and the nature of immune responses to hepatitis B virus DNA vaccines can be modulated by codelivery of various cytokine genes.

Feb 1 1998

7/6/18

9407615 98074569

Protective immunity against heterologous challenge with encephalomyocarditis virus by VP1 DNA vaccination: effect of coinjection

with a granulocyte-macrophage colony stimulating factor gene.

Dec 1997

61/9/

09405317 98129331

Delivery of multiple CD8 cytotoxic T cell epitopes by DNA vaccination.

Feb 15 1998

7/6/20

09401629 98090113

An HIV type 2 DNA vaccine induces cross-reactive immune responses against

HIV type 2 and SIV.

Dec 10 1997

7/6/21

09398125 98105827

Coadministration of DNA encoding interleukin-6 and hemagglutinin confers protection from influenza virus challenge in mice.

Feb 1998

7/6/22

09323736 97461118

Multi-epitope DNA vaccines.

Aug 1997

7/6/23

09310668 98020887

Oral delivery of poly(lactide-co-glycolide) encapsulated vaccines.

Feb 1997

7/6/24

09296159 98031755

Costimulation provided by DNA immunization enhances antitumor immunity.

Nov 15 1997

7/6/25

09223136 97378941

Development of a multicomponent candidate vaccine for HIV-1. Jun 1997

90191

09223129 97378934

DNA-based immunization against hepatitis B surface antigen (HBsAg) in normal and HBsAg-transgenic mice.

Jun 1997

09219238 97461483

Intranasal immunization of a DNA vaccine with IL-12- and granulocyte-macrophage colony-stimulating factor (GM-CSF)-expressing plasmids in liposomes induces strong mucosal and cell-mediated immune responses against HIV-1 antigens.

Oct 1 1997

80/9

09035925 97256584

Contribution of CpG motifs to the immunogenicity of DNA vaccines.

Apr 15 1997

60/

08967279 97190746

HIV-1-specific cell-mediated immunity is enhanced by co-inoculation of TCA3 expression plasmid with DNA vaccine [published erratum appears in Immunology 1997 Jul;91(3):501]

lan 1997

02/9/

08930283 97146052

In vivo engineering of a cellular immune response by coadministration of

L-12 expression vector with a DNA immunogen.

Jan 15 1997

7/6/31

08461264 96100708

Idiotypic DNA vaccines against B-cell lymphoma.

Jun 1995

/6/32

07422570 92108305

[Prevalence of liver damage in alcoholics and drug addicts]

Prevalenza del danno epatico in alcol e tossicodipendenti. Nov 1991

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\$7.77 2.591 DialUnits File155

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\$2.40 201 Types
\$10.17 Estimated cost File155
FTSNET 0.266 Hrs.
\$10.17 Estimated cost this search
\$10.17 Estimated total session cost 2.648 DialUnits
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